

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

CESSFORD CONSTRUCTION COMPANY

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
sand & gravel in the state of Missouri. The extent of the

Proposed mining operation(s) will be on eight acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Clark	28	65N	06W	8	0	8	Clark County Sand	0674

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 20th day of January 2004


DIRECTOR OF STAFF

Land Reclamation Commission

Permit No. 0710

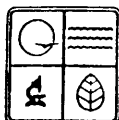
Effective Date 02/20/2004

Expiration Date 02/19/2005

MO 780-1122 (6-95)

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES MISSOURI LAND RECLAMATION COMMISSION P.O. BOX 176 JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Cessford Construction Company		DATE January 2, 2004	
ADDRESS 3808 Old Highway 61	CITY Burlington	STATE Iowa	ZIP CODE 52601
CONTACT PERSON Donald W. Smith		TELEPHONE NUMBER 319-753-2297	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$

2. Acreage Fee \$5 X _____ number of acres bonded\$

3. Annual Permit Fee\$ 500

4. Total Fee (Add totals from 1, 2 and 3).....\$

NOTE: If Total Fee exceeds \$2,500.00 then pay only\$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee\$ 300

SIGNATURE OF APPLICANT <i>Donald W. Smith</i>	TITLE Chief Geologist	DATE January 2, 2004
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Appeared before me this 2nd day of January, 2004, Donald W. Smith
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL LISA J. GRANT Iowa Notarial Seal Commission Number: 199291 My Commission Expires: 11-9-04	STATE OF <u>Iowa</u>	COUNTY (OR CITY OF ST. LOUIS) <u>Des Moines</u>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>2nd</u> DAY OF <u>January</u> YEAR <u>2004</u>	
	NOTARY PUBLIC SIGNATURE <i>Lisa J. Grant</i> NOTARY PUBLIC NAME (TYPED OR PRINTED) Lisa J. Grant	MY COMMISSION EXPIRES 11-9-04

USE RUBBER STAMP IN CLEAR AREA BELOW.

LISA J. GRANT
Iowa Notarial Seal
Commission Number: 199291
My Commission Expires: 11-9-04

FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>	DATE APPROVED <u>1-9-04</u>	PERMIT NUMBER <u>710</u>	EXPIRATION DATE <u>2-19-05</u>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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MISSOURI LAND

To be completed for each separate area of disturbance associated with mining operation **RECLAMATION COMMISSION**

SITE NAME OR NUMBER CLARK COUNTY PIT		PERMIT NUMBER 710
COMPANY NAME CESSFORD CONSTRUCTION COMPANY		
COUNTY CLARK	1/4 SECTION W 1/2 of NW 1/4 SE 1/4	SECTION 28
TOWNSHIP 65N	RANGE 6W	ACRES 40 ACRES
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		
MINERAL COMMODITY SAND AND GRAVEL		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) 50,000 TONS

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) CESSFORD CONSTRUCTION COMPANY		
ADDRESS 2320 Zeller Avenue		
CITY LeGrand	STATE Iowa	ZIP CODE 50142
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT 1995
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) CESSFORD CONSTRUCTION COMPANY		
ADDRESS 2320 ZELLER AVENUE		
CITY LEGRAND	STATE IOWA	ZIP CODE 50142
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

MINE PLAN

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P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 10-1-2025

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

THIS PROPERTY, APPROXIMATELY NINE(9) MILES FROM THE MISSISSIPPI RIVER AND TWO(2) MILES FROM THE DES MOINES RIVER, IS (AND HAS BEEN) USED AS CROPLAND. THE WEST HALF IS CONSIDERED HIGH RIVER TERRACE, THE EAST HALF OF THE PROPERTY IS FLAT RIVER BOTTOM. SOIL IS A SANDY LOAM. THE MINE PLAN COVERS APPROXIMATELY 35 ACRES OF THE 40 ACRE PARCEL.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

6

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

THE SIX(6) INCHES OF TOPSOIL AND APPROXIMATELY TWENTY-FOUR(24) INCHES OF SUBSOIL WILL BE REMOVED. THIS MATERIAL WILL BE USED FOR SOIL REPLACEMENT DURING RECLAMATION. TOPSOIL/OVERBURDEN REMOVED WILL NORMALLY BE COMPLETED DURING THE SUMMER FOR AREAS TO BE DREDGED THE FOLLOWING YEAR.

Overburden is considered subsoil and will be stockpiled separately from topsoil.

*mcl
2-2-96
9/1/92
2/7/94*

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

USING SCRAPERS AND OTHER EARTH MOVING EQUIPMENT, THE TOPSOIL/OVERBURDEN WILL BE STOCKPILED NEAR THE PIT AREA OR IN BERMS FOR SCREENING THE OPERATIONS (REFER TO MINE MAP). THESE STOCKPILES OR BERMS WILL BE SHAPED AND SEEDED WITH GRASS TO PREVENT EROSION.

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B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

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RECLAMATION COMMISSION

SINCE THERE IS A MINIMUM AMOUNT OF SOIL AND OVERBURDEN LYING ABOVE THE SAND DEPOSIT, ALL WILL BE SAVED ON SITE FOR FUTURE RECLAMATION OF THE MINED AREA. ALL FINES AND SPOILS FROM THE PROCESSED SAND WILL BE RETURNED TO THE PIT.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

THE FIRST AREA TO BE OPENED IS IN THE SOUTHEAST CORNER FOR THE PERMITTED AREA. THE PIT WILL ADVANCE TO THE NORTH AND WEST. A FIFTY FEET SETBACK WILL BE MAINTAINED TO ALLOW FOR SAFETY AND TO ENSURE RECLAMATION CAN BE ACCOMPLISHED IN ACCORDANCE WITH EXISTING REGULATIONS.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND

REVEGETATION MIX #1

PURPOSE OR LAND USE

RECLAMATION SEEDING OR PLANTING TIME

~~WILDLIFE/AQUATIC~~ Agricultural m

SPRING (MARCH 15 - MAY 15)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

THE FIRST SPRING (OR AS PRACTICAL) FOLLOWING SOIL REPLACEMENT, THE RECLAIMED AREAS WILL BE GRADED, HARROWED, AND DISKED. SEED WILL THEN BE DRILLED (OR BROADCAST). IF REQUIRED, OR AS NECESSARY, THE SEED WILL BE MULCHED TO ENSURE GROWTH AND CONTROL EROSION.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
FESCUE	7		
RED CLOVER	2		
LEDINO CLOVER	2		
SUB-CLOVERS	4		
BROME	7		
ORCHARD GRASS	7		
	<u>29 lbs</u>		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

SAME AS ABOVE

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

IF NECESSARY, THE SAME MIX WILL BE USED FOR TOPSEEDING AREAS WHERE NEEDED TO ACHIEVE GRASS COVER SUFFICIENT TO CONTROL EROSION AND SUPPORT PARTURE.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
SAME AS ABOVE			

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

THE MAJORITY OF THE MINED AREA WILL BE COVERED WITH WATER. THE SLOPES TO THE WATER WILL BE GRADED TO MAKE THEM ASSESABLE BY FARM MACHINERY.

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C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

GRADING OF THE SLOPES WILL BE ACCOMPLISHED AS THE PIT ADVANCES. FINAL GRADING WILL BE COMPLETED WITHIN ONE(1) YEAR OF PERMIT EXPIRATION ON ALL MINED AREAS.

REPLACEMENT OF TOPSOIL

TOPSOIL OR SUBSOIL WILL BE REPLACED TO A DEPTH OF ~~12~~ 12 INCHES AND CULTIVATED TO REDUCE COMPACTION. TOPSOIL WILL BE PLACED ON ALL MIXED AREAS WITHIN ONE (1) YEAR OF PERMIT EXPIRATION.

REVEGETATION

ALL TOPSOIL WILL BE SEEDED AT THE FIRST AVAILABLE SEEDING PERIOD FOLLOWING TOPSOIL REPLACEMENT.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

X -

Agricultural (pasture, cropland, and horticultural)

18

Development (residential, industrial, and recreational)

2-2-92

2/2/92

Water impoundments (for wildlife, agricultural, or development)

17

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By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Joseph P. McGuire, Ph.D.</i> JOSEPH P. MCGUIRE, PH.D.		TITLE ENVIRONMENTAL MANAGER	DATE 1/19/96
NOTARY PUBLIC EMBOSSER SEAL	STATE <i>Moore</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Marshall</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>19</i> DAY OF <i>January</i> 19 <i>96</i>		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE <i>Wanda L. Hatcher</i>	MY COMMISSION EXPIRES <i>8-28-98</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Wanda L. Hatcher		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) MEC, P.C.		DATE APPROVED 2-18-96	PERMIT NUMBER 710

↑ 392

17

20

21

ACTIVE PIT



R6W

NW 1/4

R6W

NW 1/4

